TEXTILE ORGANON

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Textile Fiber End Use Survey

Highlights

***Textile Organon** Features:*

Annual U.S. End Use Summary . . . Featured on page 205.

Summary of Man-Made Fiber & Semimanufactured Imports 1979 - 1985 . . . see page 207.

U.S. Imports of Acrylic Staple rose 91% in July . . . see page 222.

Second Quarter 1986 Domestic Shipments of Nylon Staple to the Carpet Trade rose to 188.6 Million Pounds . . . see page 225.

Presented in this issue of the ***Textile Organon*** is the 1985 survey of textile fiber consumption by end use. Annual data are shown for the years 1979 through 1985.

The data of this end use survey supersede those of the earlier surveys. As more reliable data become available, they are incorporated to provide the most current industry data obtainable.

Compared with last year's survey, there are relatively few revisions. However, it should be noted that there has been some revision of the Topweight Fabric, Bedspread & Quilts (Item 45) end uses.

In 1985, Industrial and Other Consumer-Type Products no longer include textile glass.

In some cases, the revisions involved changes in the series of data from 1983 and 1984. Revisions such as these are denoted by a small "r".

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the ***Textile Organon*** as follows:

Years	*Textile Organon Issues*
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982
1976	November 1983
1977	September 1984
1978	September 1985

In this manner, a continuous statistical series covering the 37 year span from 1949 through 1985 may be obtained.

Continued On Page 204.

TABLE 1:
END USE SUMMARY CHANGES

	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				% OF TOTAL END USE [a]				MILLION POUNDS				% OF TOTAL END USE [a]			
END USE	79-82	1983	1984	1985	79-82	1983	1984	1985	79-82	1983	1984	1985	79-82	1983	1984	1985
APPAREL	4531	4566	4305	4246	*38*	*37*	*35*	*37*	2773	2767	2509	2396	*32*	*30*	*27*	*29*
HOME FURNISHINGS	3604	3950	4112	4377	*30*	*32*	*33*	*38*	2809	3106	3226	3467	*32*	*33*	*35*	*42*
INDUSTRIAL & OTHER CONSUMER - TYPE PROD.	3231	3623	3740	2479	*27*	*29*	*30*	*22*	2807	3227	3344	2107	*32*	*35*	*36*	*26*
EXPORTS	516	280	279	328	*5*	*2*	*2*	*3*	300	184	191	210	*4*	*2*	*2*	*3*
TOTAL END USE	**11882**	**12419**	**12436**	**11430**	*100*	*100*	*100*	*100*	**8689**	**9284**	**9270**	**8180**	*100*	*100*	*100*	*100*

79-82 means the annual average for the years 1979 - 1982. The 1983, 1984 & 1985 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 205.

a. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

SEPTEMBER 1986

Textile Organon

A Monthly Review

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DATAGRAM

MAN-MADE FIBER SHIPMENTS SHOW GAIN

Shipments of noncellulosic yarn, staple+tow for August increased by

5.7% to 657.6 million pounds versus 622.4 million pounds shipped in July. Inventories, at the end of August, stood at 645 million pounds, down almost 3% from the level of July.

- Nylon industrial yarn shipments at 27.3 million pounds were up 17% over last month, while inventories increased by 11% to 33.6 million pounds.
- Nylon staple+tow shipments rose to 86.6 million pounds, up 9% from the 79.3 million pounds shipped in July. Of the total, 81.3 million pounds went into carpet yarns. Ending stocks were down 13% to 68.4 million pounds as compared to the 78.7 million pound level of last month.

EXPORTS OF FIBER DECLINE

Exports of man-made fiber totaled 45.9 million pounds in July, down

over 7% from the 49.5 million pounds export level of last month.

For the first seven months of 1986, exports of man-made fiber totaled 407.0 million pounds, or 21% below the 1985 January - July level of 517.0 million pounds.

More specifics:

- Polyester high tenacity yarn exports fell by almost 54% to 1.4 million pounds.
- Acrylic staple+tow exports declined by 21% in July to 3.0 million pounds.

IMPORTS OF FIBER ON THE RISE

Imports of cellulosic staple+tow in July totaled 1.7 million pounds, up

27% from the 1.3 million pounds shipped in June. The major share of the imports, 72%, came from Canada.

For the first seven months of 1986, imports of noncellulosic yarn+monofilaments totaled 68.6 million pounds. This compares to the 1985 January - July imports of 61.0 million pounds.

The major importing countries of these fibers are:

- Costa Rica - imports are up by 5,288%.
- Belgium - imports rose by 57%.
- France - imports increased by 43%.

In July, imports of noncellulosic staple+tow rose by 17% to 16.6 million pounds from 14.2 million pounds in June.

For the first seven months of 1986, imports of noncellulosic staple+tow totaled 105.5 million pounds, up 20% from the import level of 88.2 million pounds during the same time.

Major importing countries are:

- Romania - imports increased by 139%.
- Mexico - imports rose by 89%.
- United Kingdom - imports are up 73%.

CELANESE INTRODUCES CELEBRATE

Celanese Textile Fibers has introduced a branded acetate filament

yarn with the trademark *Celebrate*. The yarn is designed for use in loungewear, sportswear active sportswear, dresses and home furnishings applications. Fabrics made of *Celebrate* acetate provide drapability and dye uniformity. The fabric is also moisture absorbent, static free and has a silky hand. Combined in knitted fabric with other fibers such as polyester, it provides ease of care and strength with the drapability, hand and appearance of acetate. (Knitting Times 8/86)

CELANESE REDUCES POLYESTER PRODUCTION

Celanese recently reported that it will reduce its production capacity for

polyester textile staple at its Salisbury, N.C. plant by 185 million pounds over the next 18 months. John Fennie, president and general manager, Textile Fibers, said the reduction was made necessary by the continued surge of unfair imports of fabric and apparel from the Far East. (Knitting Times 8/86)

Continued From Front Page

SURVEY FIBER COVERAGE

The objective of this survey is to measure the amount of raw fiber required to produce a particular end use item. The quantities of fiber are grouped under general listings, but specific characteristics of each listing should be noted.

The man-made fiber data are presented in two general categories, **Cellulosic,** which includes rayon and acetate, and **Noncellulosic,** which includes nylon, polyester acrylic, olefin, saran, spandex and textile glass. Starting in 1985, textile glass fiber is no longer included. Except for carpets, no separation of the data by generic type within the end uses is provided. See footnote **(b)** under General Notes on page 215 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation.

Wool data cover both virgin and reprocessed & reused wool.

Many other fibers, such as silk, linen, jute and sisal, are used in various products covered by the survey, but no poundage data for these fibers are included in the end use tables on pages 208-214.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component inasmuch as possible, as, for example, is the case with the cotton waste in Towels & Toweling (Item 48) and Twine (Item 73).

And third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber poundages, is a significant and measured part of the total end use.

OUTLINE AND COVERAGE OF THE SURVEY

The data presented on pages 208-214 show the poundages of the itemized textile fibers consumed in the production of end use products in the United States.

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs, are not included in this survey as they are not manufactured in domestic mills.

The method used for estimating the end uses of man-made fibers differs from that used for the natural fibers. For man-made fibers, the data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products. While in the case of cotton, the data of the National Cotton Council were used extensively, and for wool, government data plus estimates from other trade sources were employed.

END USE VERSUS AVAILABLE SUPPLY

Available Supply (mill consumption plus semimanufactured imports) is compared with End Use Consumption, Table 4 on page 206. While more specific reasons which affect the correlation between these series are described in subsequent sections, some general remarks are presented below.

COTTON: End use consumption is lower than available supply for most years; the same situation pertains to the National Cotton Council's survey data. Two reasons for this are stated by the Council: a) many small end uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1983 was not actually incorporated into end products until 1984 because of time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1984 was not embodied in finished products until 1985.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1986 and earlier editions).

WOOL: Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in Table 3, page 206, and residual pound-

TABLE 2:
U.S. END USE SUMMARY
MILLION POUNDS & *PERCENT*

END USE & YEAR	GRAND TOTAL LBS	% a	% b	COTTON LBS	% a	% b	WOOL LBS	% a	% b	MAN-MADE FIBERS LBS	% a	% b	MAN-MADE FIBER DETAIL: CELLULOSIC TOTAL LBS	% a	% b	CELLULOSIC YARN LBS	CELLULOSIC STAPLE LBS	NONCELL. & TEXTILE GLASS TOTAL LBS	% a	% b	NONCELL. & TEXTILE GLASS YARN LBS	NONCELL. & TEXTILE GLASS STAPLE LBS
APPAREL																						
1979	4825	*100*	*37.0*	1696	*35.2*	*51.3*	132	*2.7*	*76.3*	2997	*62.1*	*31.4*	341	*7.1*	*40.7*	245	96	2656	*55.0*	*30.5*	1359	1297
1980	4728	*100*	*39.0*	1652	*35.0*	*53.0*	125	*2.6*	*74.0*	2951	*62.4*	*33.5*	298	*6.3*	*39.9*	222	76	2653	*56.1*	*32.9*	1306	1347
1981	4495	*100*	*37.9*	1595	*35.5*	*54.8*	148	*3.3*	*76.3*	2752	*61.2*	*31.4*	309	*6.9*	*42.7*	194	115	2443	*54.3*	*30.4*	1191	1252
1982	4077	*100*	*38.7*	1557	*38.2*	*57.1*	127	*3.1*	*75.1*	2393	*58.7*	*31.3*	211	*5.2*	*39.9*	142	69	2182	*53.5*	*30.7*	986	1196
1983	4566	*100*	*36.8*	1646	*36.0*	*56.2*	153	*3.4*	*75.0*	2767	*60.6*	*29.8*	229	*5.0*	*39.7*	154	75	2538	*55.6*	*29.1*	1173	1365
1984	4305	*100*	*34.6*	1624	*37.7*	*55.4*	172	*4.0*	*74.1*	2509	*58.3*	*27.1*	239	*5.6*	*41.5*	153	86	2270	*52.7*	*26.1*	1126	1144
1985	4246	*100*	*37.1*	1708	*40.3*	*55.9*	142	*3.3*	*72.8*	2396	*56.4*	*29.3*	209	*4.9*	*38.6*	141	68	2187	*51.5*	*28.6*	1098	1089
HOME FURNISHINGS																						
1979	4092	*100*	*31.4*	848	*20.7*	*25.6*	27	*0.7*	*15.6*	3217	*78.6*	*33.7*	194	*4.7*	*23.1*	48	146	3023	*73.9*	*34.7*	1244	1779
1980	3656	*100*	*30.2*	802	*22.0*	*25.8*	26	*0.7*	*15.4*	2828	*77.3*	*32.1*	170	*4.6*	*22.7*	47	123	2658	*72.7*	*32.9*	1189	1469
1981	3522	*100*	*29.7*	744	*21.1*	*25.6*	29	*0.9*	*14.9*	2749	*78.0*	*31.4*	156	*4.4*	*21.5*	36	120	2593	*73.6*	*32.3*	1117	1476
1982	3144	*100*	*29.8*	676	*21.5*	*24.8*	26	*0.9*	*15.4*	2442	*77.6*	*31.9*	104	*3.3*	*19.6*	26	78	2338	*74.3*	*32.9*	1013	1325
1983	3950	*100*	*31.8*	812	*20.6*	*27.7*	32	*0.8*	*15.7*	3106	*78.6*	*33.4*	134	*3.4*	*23.3*	28	106	2972	*75.2*	*34.1*	1319	1653
1984	4112	*100*	*33.1*	851	*20.7*	*29.0*	35	*0.8*	*15.1*	3226	*78.5*	*34.8*	135	*3.3*	*23.4*	28	107	3091	*75.2*	*35.6*	1421	1670
1985	4377	*100*	*38.3*	880	*20.1*	*28.8*	30	*0.7*	*15.4*	3467	*79.2*	*42.4*	126	*2.9*	*23.2*	18	108	3341	*76.3*	*43.7*	1664	1677
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1979	3486	*100*	*26.8*	462	*13.3*	*14.0*	8	*0.2*	*4.6*	3016	*86.5*	*31.6*	271	*7.8*	*32.3*	50	221	2745	*78.7*	*31.6*	2020	725
1980	3109	*100*	*25.7*	412	*13.2*	*13.2*	11	*0.3*	*6.5*	2686	*86.5*	*30.4*	249	*8.0*	*33.3*	40	209	2437	*78.5*	*30.2*	1805	632
1981	3348	*100*	*28.2*	404	*12.1*	*13.9*	12	*0.3*	*6.2*	2932	*87.6*	*33.5*	231	*6.9*	*31.9*	42	189	2701	*80.7*	*33.6*	2027	674
1982	2980	*100*	*28.3*	377	*12.7*	*13.8*	10	*0.3*	*5.9*	2593	*87.0*	*33.9*	195	*6.5*	*36.9*	30	165	2398	*80.5*	*33.7*	1759	639
1983	3623	*100*	*29.2*	382	*10.5*	*13.1*	14	*0.4*	*6.9*	3227	*89.1*	*34.8*	196	*5.4*	*34.0*	23	173	3031	*83.7*	*34.8*	2178	853
1984	3740	*100*	*30.1*	375	*10.0*	*12.8*	21	*0.6*	*9.1*	3344	*89.4*	*36.1*	187	*5.0*	*32.5*	28	159	3157	*84.4*	*36.3*	2234	923
1985	2479	*100*	*21.7*	359	*14.5*	*11.8*	13	*0.5*	*6.7*	2107	*85.0*	*25.7*	190	*7.7*	*35.1*	30	160	1917	*77.3*	*25.1*	984	933
EXPORTS OF DOMESTIC PRODUCTS																						
1979	620	*100*	*4.8*	301	*48.5*	*9.1*	6	*1.0*	*3.5*	313	*50.5*	*3.3*	33	*5.3*	*3.9*	21	12	280	*45.2*	*3.2*	128	152
1980	618	*100*	*5.1*	259	*42.0*	*8.0*	7	*1.0*	*4.1*	352	*57.0*	*4.0*	31	*5.1*	*4.1*	20	11	321	*51.9*	*4.0*	141	180
1981	490	*100*	*4.2*	166	*33.9*	*5.7*	5	*1.0*	*2.6*	319	*65.1*	*3.7*	28	*5.7*	*3.9*	17	11	291	*59.4*	*3.7*	121	170
1982	336	*100*	*3.2*	115	*34.2*	*4.3*	6	*1.8*	*3.6*	215	*64.0*	*2.9*	19	*5.7*	*3.6*	12	7	196	*58.3*	*2.7*	82	114
1983	280	*100*	*2.2*	91	*32.5*	*3.0*	5	*1.8*	*2.4*	184	*65.7*	*2.0*	17	*6.1*	*3.0*	11	6	167	*59.6*	*2.0*	70	97
1984	279	*100*	*2.2*	84	*30.1*	*2.8*	4	*1.4*	*1.7*	191	*68.5*	*2.0*	15	*5.4*	*2.6*	9	6	176	*63.1*	*2.0*	73	103
1985	368	*100*	*2.9*	108	*32.9*	*3.5*	10	*3.1*	*5.1*	210	*64.0*	*2.6*	17	*5.2*	*3.1*	10	7	193	*58.8*	*2.6*	76	117
TOTAL END USE																						
1979	13023	*100*	*100*	3307	*25.4*	*100*	173	*1.3*	*100*	9543	*73.3*	*100*	839	*6.5*	*100*	364	475	8704	*66.8*	*100*	4751	3953
1980	12111	*100*	*100*	3125	*25.8*	*100*	169	*1.4*	*100*	8817	*72.8*	*100*	748	*6.2*	*100*	329	419	8069	*66.6*	*100*	4441	3628
1981	11855	*100*	*100*	2909	*24.5*	*100*	194	*1.7*	*100*	8752	*73.8*	*100*	724	*6.1*	*100*	289	435	8028	*67.7*	*100*	4456	3572
1982	10537	*100*	*100*	2725	*25.9*	*100*	169	*1.6*	*100*	7643	*72.5*	*100*	529	*5.0*	*100*	210	319	7114	*67.5*	*100*	3840	3274
1983	12419	*100*	*100*	2931	*23.6*	*100*	204	*1.6*	*100*	9284	*74.8*	*100*	576	*4.7*	*100*	216	360	8708	*70.1*	*100*	4740	3968
1984	12436	*100*	*100*	2934	*23.6*	*100*	232	*1.9*	*100*	9270	*74.5*	*100*	576	*4.6*	*100*	218	358	8694	*69.9*	*100*	4854	3840
1985	11430	*100*	*100*	3055	*26.7*	*100*	195	*1.7*	*100*	8180	*71.6*	*100*	542	*4.8*	*100*	199	343	7638	*66.8*	*100*	3822	3816

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

Continued From Page 204

ages were then attributed to Apparel Usage in individual apparel items from the years 1979-1984 was calculated by correlating the data of Census reports MA-23A and MQ-22T on, respectively, Apparel and Broad Woven Goods.

MAN-MADE FIBERS: As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1978 and 1979 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1980-1981 and 1981-1982, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

Continued On Page 207

TABLE 3:
MILL CONSUMPTION+SEMIMANUFACTURED IMPORTS
MILLION POUNDS

	MAN-MADE FIBERS								COTTON			WOOL					
	MILL CONSUMPTION [a]																
	CELLULOSIC			NONCELL.+GLASS FIBER [e]													
YEAR	YARN	STAPLE [b]	TOTAL	YARN	STAPLE [b]	TOTAL	IMPORTS [c]	TOTAL	MILL CONS. [a]	IMPORTS [c]	TOTAL	MILL CONS. [a]	REPRO-CESSED & REUSED [d]	COTTON SYSTEM [d]	IMPORTS [c]	TOTAL	AVAIL-ABLE SUPPLY
1979	356.7	474.3	831.0	4740.2	3874.8	8615.0	119.1	9565.1	3066.4	249.1	3315.5	134.4	17.0	2.5	25.9	179.8	13060.4
1980	325.0	415.7	740.7	4426.0	3593.4	8019.4	111.6	8871.7	3064.4	277.8	3342.2	137.8	10.5	3.8	25.3	177.4	12391.3
1981	283.6	430.7	714.3	4484.0	3505.2	7989.2	141.1	8844.6	2730.8	374.4	3105.2	152.7	8.3	3.2	32.8	197.0	12146.8
1982	206.1	316.0	522.1	3793.3	3213.6	7006.9	143.9	7672.9	2478.9	295.0	2773.9	129.5	5.7	3.0	33.3	171.5	10618.3
1983	241.8	356.8	598.6	4637.2	3962.2	8599.4	196.1	9394.1	2795.7	388.4	3184.1	162.5	8.1	3.3	35.7	209.6	12787.8
1984	228.3	359.6	587.9	4672.4	3803.0	8475.4	242.4	9305.7	2668.2	505.4	3173.6	163.2	7.6	5.5	55.3	231.6	12710.9
1985	201.0	344.6	545.6	3663.8	3801.7	7465.5	203.8	8214.9	2796.0	477.5	3273.5	134.7	5.3	4.2	50.5	194.7	11683.1

NOTE: Glass fiber data include both textile and other types of glass fiber end uses (e.g., reinforced plastics).

a. Mill Consumption is taken from page 54 of the 1986 March ***Organon*** plus subsequent revisions.

b. Man-Made staple includes waste.

c. Imports are taken from page 189 of the 1986 August ***Organon*** and comprise semi-manufactured goods; see the footnotes there.

d. These poundages of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 ***Organon.*** However, they are considered here as part of the available supply of wool as shown in the table below.

e. 1985 noncellulosic yarn does not include glass fiber data.

TABLE 4:
END USE VERSUS AVAILABLE SUPPLY
MILLION POUNDS & *PERCENT*

	1979			1980			1981			1982			1983			1984			1985		
FIBERS	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]
COTTON	3316	3307	*99.7*	3342	3125	*93.5*	3105	2909	*93.7*	2774	2725	*98.2*	3184	2931	*92.1*	3174	2934	*92.4*	3273	3055	*93.3*
WOOL	180	173	*96.1*	177	168	*94.9*	197	194	*98.5*	171	169	*98.8*	210	204	*97.1*	232	232	*100.0*	195	195	*100.0*
TOTAL COTTON & WOOL	3496	3480	*99.5*	3519	3293	*93.6*	3302	3103	*94.0*	2945	2894	*98.3*	3394	3135	*92.4*	3406	3166	*93.0*	3468	3250	*93.7*
CELL. - YARN [d]	364	364	*100.0*	329	329	*100.0*	289	289	*100.0*	212	210	*99.1*	242	216	*89.3*	228	218	*95.6*	201	199	*99.0*
- STAPLE [e]	485	475	*97.9*	421	419	*99.5*	437	435	*99.5*	322	319	*99.1*	360	360	*100.0*	360	358	*99.4*	345	343	*99.4*
NONCELL - YARN [d f]	3833	3830	*99.9*	3607	3567	*98.9*	3575	3474	*97.2*	2983	2964	*99.4*	3603	3574	*99.2*	3594	3580	*99.6*	3841	3822	*99.5*
- STAPLE [e]	3958	3952	*99.8*	3639	3629	*99.7*	3562	3572	*100.3*	3280	3274	*99.8*	3985	3968	*99.6*	3848	3840	*99.8*	3828	3816	*99.7*
TOTAL MAN-MADE FIBER ABOVE	8640	8621	*99.8*	7996	7944	*99.3*	7863	7770	*98.8*	6797	6767	*99.6*	8190	8118	*99.1*	8030	7996	*99.6*	8215	8180	*99.6*
TEXTILE GLASS	922	922	*100.0*	874	874	*100.0*	982	982	*100.0*	876	876	*100.0*	1166	1166	*100.0*	1274	1274	*100.0*	NA	NA	NA
TOTAL FIBERS ABOVE	13058	13023	*99.7*	12389	12111	*97.8*	12147	11855	*97.6*	10618	10537	*99.2*	12750	12419	*97.4*	12710	12436	*97.8*	11683	11430	97.8

NA Means no longer available.

a. Available means mill consumption plus the imports of semimanufactured products - from the table above.

b. End Use as a percentage of Available.

c. End Use from the summary table on page 205.

d. Yarns includes monofilaments.

e. Staple includes tow, fiberfill and waste.

f. 1985 does not include Textile Glass.

TABLE 5:
SUMMARY OF MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS
MILLION POUNDS

	1979	1980	1981	1982	1983	1984	1985
CELLULOSIC FIBERS							
YARN	13.3	8.3	10.7	7.0	8.7	10.0	13.9
STAPLE	16.5	10.3	16.8	13.4	13.5	17.0	12.6
WASTE	0.8	0.3	0.5	0.4	0.3	0.5	0.5
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	1.0	3.2	3.8	4.7	5.1	18.0	32.4
- OTHER	6.1	3.6	4.0	5.5	2.2	10.8	16.6
POLYESTER - TEXTURED	1.1	0.3	0.8	0.5	7.7	8.9	14.7
- OTHER	7.6	6.7	5.4	5.3	14.8	30.2	18.4
OTHER - TEXTURED	0.1	0.2	0.5	4.4	13.7	15.7	16.7
- OTHER	1.3	1.4	1.6	1.6	2.7	2.5	2.5
MONOFILAMENTS	2.4	4.0	2.6	1.5	1.7	2.9	2.1
STRIPS, OVER $1/LB	0.4	0.2	0.2	0.3	0.5	1.0	1.2
SUBTOTAL ABOVE	**20.0**	**19.6**	**18.9**	**23.8**	**48.4**	**90.0**	**104.6**
STAPLE [a] NYLON	3.1	2.7	25.7	19.1	46.8	61.4	68.1
- POLYESTER	3.1	1.5	7.0	7.3	23.6	30.0	31.8
- ACRYLIC	16.0	15.9	13.9	12.3	20.3	20.4	25.1
- OLEFIN	0.1	0.1	1.1	0.6	1.1	2.2	5.7
- OTHER	17.1	15.3	12.7	11.8	9.7	17.1	28.7
SUBTOTAL ABOVE	**39.4**	**35.5**	**60.4**	**51.1**	**101.5**	**131.1**	**159.4**
WASTE, NOT ADVANCED - NYLON	12.8	11.7	25.3	22.2	26.8	31.2	27.2
- POLYESTER	3.3	6.0	18.1	11.2	13.0	8.0	7.1
- ACRYLIC	2.4	2.4	2.9	0.9	0.3	0.3	0.3
- OTHER	1.6	1.0	3.0	2.5	2.7	4.0	2.1
NOILS & GARNETTED FIBERS	+	+	0.1	0.1	0.2	0.4	0.2
OTHER WASTE, ADVANCED	1.0	0.6	0.6	0.9	3.1	6.7	3.8
SUBTOTAL ABOVE	**21.1**	**21.7**	**50.0**	**37.8**	**46.1**	**50.6**	**40.7**
TOTAL FIBER ABOVE [b]	**111.1**	**95.7**	**157.3**	**133.5**	**218.5**	**299.2**	**331.7**
SEMIMANUFACTURES							
SLIVER, TOPS & ROVING	6.7	2.8	3.7	2.7	4.9	4.7	2.1
YARNS, THROWN OR PLIED	2.6	2.2	4.8	6.7	10.7	15.4	17.5
SPUN YARNS	25.6	22.9	23.5	26.5	39.0	46.3	45.4
SEWING THREAD & HANDWORK YARN	2.6	2.3	2.8	2.3	3.4	5.7	9.7
WOVEN FABRICS	64.6	67.3	95.4	93.3	123.2	154.9	100.8
NARROW FABRICS	9.0	8.1	8.7	10.1	12.7	12.4	18.6
KNIT FABRIC	8.0	6.0	2.2	2.3	2.2	3.0	9.7
SUBTOTAL ABOVE	**119.1**	**111.6**	**141.1**	**143.9**	**196.1**	**242.4**	**203.8**
TEXTILE GLASS FIBER	10.3	7.3	18.2	14.1	20.0	23.1	34.7
TOTAL SEMIMANUFACTURES ABOVE [c]	**129.4**	**118.9**	**159.3**	**158.0**	**216.1**	**265.5**	**238.5**
GRAND TOTAL ABOVE	**240.5**	**214.6**	**316.6**	**291.5**	**434.6**	**564.7**	**570.2**

a. Includes grouped filaments.
b. **SOURCE:** U.S. Bureau of the Census.
c. **SOURCE:** *Cotton and Wool Situation*, U.S. Department of Agriculture.

For imports of fiber, the data are taken from the monthly summaries in each *Organon*. A listing of the commodity numbers used may be found on page 224 of this issue under the monthly import table.

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UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the poundage of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber.

Two reasons to avoid direct comparison are:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies greatly. Hence, a simple comparison of poundages of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

Continued On Page 210

TABLE 6a:
APPAREL[a]
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
		TOTAL	CELLULOSIC		NONCELL.			
			YARN	STAPLE	YARN	STAPLE		
TOTAL APPAREL								
1979	4825.5	2997.3	244.8	96.4	1358.7	1297.4	1696.2	132.0
1980	4730.3	2953.0	222.2	76.8	1306.2	1347.8	1651.9	125.4
1981	4497.0	2753.5	194.3	117.0	1190.8	1251.4	1595.0	148.5
1982	4077.5	2393.0	141.9	68.8	986.2	1196.1	1557.1	127.4
1983	r4566.3	2767.3	153.9	74.9	1173.3	1365.2	r1646.0	153.0
1984	r4304.2	2509.8	153.5	86.1	1126.5	1143.7	r1623.7	170.7
1985	4245.7	2396.3	140.7	67.9	1098.7	1089.0	1707.7	141.7
40 SHEER HOSIERY (W)*								
1979	66.1	66.1	–	–	66.1	–	–	–
1980	70.7	67.8	–	–	67.8	–	2.9	–
1981	76.4	69.9	–	–	69.9	–	6.5	–
1982	71.6	68.5	–	–	68.5	–	3.1	–
1983	80.7	77.2	–	–	77.2	–	3.5	–
1984	86.0	82.6	–	–	82.6	–	3.4	–
1985	90.3	86.9	–	–	86.9	–	3.4	–
19, 41 ANKLETS & SOCKS (MW)*								
1979	167.1	131.4	–	0.5	52.7	78.2	33.2	2.5
1980	186.4	151.9	–	0.5	56.9	94.5	32.1	2.4
1981	190.8	149.1	–	0.7	60.3	88.1	38.9	2.8
1982	172.9	139.8	–	0.4	51.7	87.7	30.6	2.5
1983	195.2	152.6	–	0.5	65.0	87.1	39.6	3.0
1984	r181.6	131.5	–	0.5	59.5	71.5	r46.7	3.4
1985	179.4	125.7	c	0.4	59.9	65.4	51.0	2.7
8, 29 SWEATERS & RELATED ACCESSORIES (MW)*								
1979	124.8	103.9	–	0.7	10.2	93.0	6.6	14.3
1980	137.9	116.4	–	0.7	12.6	103.1	7.9	13.6
1981	140.0	113.8	–	0.6	0.9	112.3	10.1	16.1
1982	119.5	92.7	–	1.0	1.4	90.3	11.8	15.0
1983	r142.9	104.8	–	1.2	0.4	103.2	r20.1	18.0
1984	r158.0	113.7	–	1.2	0.5	112.0	r24.3	20.0
1985	154.8	108.1	–	1.2	0.6	106.3	29.9	16.8
57 CRAFT & HANDWORK YARNS*								
1979	129.0	121.1	–	0.9	c	120.2	3.7	4.2
1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
1981	100.6	92.9	–	0.7	c	92.2	3.0	4.7
1982	100.2	91.9	–	0.6	–	91.3	3.8	4.5
1983	r106.1	97.4	–	0.1	–	97.3	r4.0	4.7
1984	r90.9	82.1	–	0.8	–	81.3	r3.5	5.3
1985	94.9	87.2	c	0.1	0.3	86.8	3.4	4.3
16-18 UNDERWEAR & NIGHTWEAR (M)*								
1979	257.6	86.3	–	0.8	21.3	64.2	170.3	1.0
1980	250.9	104.0	c	0.8	26.2	77.0	145.9	1.0
1981	225.5	84.9	–	1.1	20.9	62.9	139.4	1.2
1982	226.0	79.6	–	–	16.3	63.3	145.4	1.0
1983	r245.7	96.8	–	–	14.5	82.3	r147.9	1.0
1984	r264.1	90.5	–	–	9.9	80.6	r172.6	1.0
SILK 1985	271.2	83.8	–	–	8.2	75.6	186.6	0.8
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)*								
1979	240.8	184.1	18.7	2.1	137.5	25.8	55.7	1.0
1980	209.9	169.0	19.7	0.6	117.0	31.7	39.9	1.0
1981	202.4	162.0	18.3	c	111.0	32.7	39.2	1.2
1982	176.7	136.1	10.9	–	89.4	35.8	39.6	1.0
1983	r196.6	153.0	12.5	–	105.0	35.5	r42.6	1.0
1984	r176.8	130.7	8.6	–	99.9	22.2	r45.1	1.0
SILK 1985	189.0	139.5	6.8	–	108.0	24.7	48.7	0.8
10 31 ROBES & LOUNGEWEAR (MW)*								
1979	134.2	110.8	60.5	0.9	36.2	13.2	20.9	2.5
1980	145.7	126.3	63.0	0.4	38.0	24.9	17.0	2.4
1981	119.3	102.5	44.6	0.2	33.5	24.2	14.0	2.8
1982	84.3	67.4	34.5	–	23.7	9.2	14.6	2.3
1983	r92.5	74.8	39.0	–	22.9	12.9	r15.1	2.6
1984	r98.5	79.6	41.5	–	23.7	14.4	r16.0	2.9
SILK 1985	93.5	73.4	37.2	–	21.2	15.0	17.8	2.3

a. For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see page 215.

TABLE 6b:
APPAREL[a] *(CONTINUED)*
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
54a HIGH PILE FABRICS								
1979	103.0	103.0	c	0.4	13.5	89.1	–	–
1980	100.4	100.4	–	0.1	14.3	86.0	–	–
1981	78.6	78.6	–	0.3	13.1	65.2	–	–
1982	64.1	64.1	–	–	7.0	57.1	–	–
1983	73.8	73.8	–	0.6	15.5	57.7	–	–
1984	61.4	61.4	–	0.3	9.7	51.4	–	–
1985	64.9	64.9	–	1.2	6.4	57.3	–	–
54b FABRICS FOR LINING*								
1979	206.7	146.4	86.8	8.7	24.0	26.9	57.8	2.5
1980	184.0	125.0	78.0	7.5	17.0	22.5	56.6	2.4
1981	199.0	144.7	92.7	3.4	19.2	29.4	51.5	2.8
1982	146.6	100.6	70.1	1.0	15.7	13.8	43.5	2.5
1983	r139.2	99.7	66.7	1.0	24.0	8.0	r36.6	2.9
1984	r152.7	109.6	79.8	1.9	21.7	6.2	r39.9	3.2
1985	149.7	104.6	74.2	1.5	18.7	10.2	42.4	2.7
43 APPAREL LACE (W)*								
1979	6.8	5.3	1.7	–	3.6	–	1.5	–
1980	6.7	5.2	–	–	5.2	–	1.5	–
1981	8.0	6.5	–	–	6.5	–	1.5	–
1982	8.7	7.2	–	–	7.2	–	1.5	–
1983	8.4	6.9	–	–	6.9	–	1.5	–
1984	5.5	4.0	–	–	4.0	–	1.5	–
1985	6.1	4.6	c	–	4.6	–	1.5	–
55 RETAIL PIECE GOODS*								
1979	348.0	250.0	4.0	4.0	121.0	121.0	94.0	4.0
1980	316.7	230.0	3.0	3.0	102.0	122.0	83.7	3.0
1981	310.5	229.5	2.5	2.0	97.0	128.0	77.4	3.6
1982	288.8	217.3	3.5	1.8	83.0	129.0	68.3	3.2
1983	r279.1	210.6	3.0	1.5	81.1	125.0	r65.3	3.2
1984	r247.3	175.3	2.9	1.4	70.0	101.0	r68.4	3.6
1985	229.8	160.8	3.0	1.5	74.3	82.0	66.1	2.9
56a NARROW FABRICS*								
1979	48.4	25.4	5.1	0.4	13.1	6.8	23.0	–
1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	–
1981	46.6	21.6	5.2	–	14.0	2.4	25.0	–
1982	40.8	17.8	0.9	–	15.3	1.6	23.0	–
1983	49.7	24.7	1.7	–	20.8	2.2	25.0	–
1984	47.9	21.8	0.7	–	19.0	2.1	26.1	–
1985	47.2	23.6	1.5	–	20.4	1.7	23.6	–
TOPWEIGHT FABRICS*								
1979	1048.6	686.0	42.0	49.0	265.0	330.0	360.1	2.5
1980	1008.7	633.0	32.0	41.0	250.0	310.0	373.3	2.4
1981	936.5	558.0	20.0	70.0	188.0	280.0	375.7	2.8
1982	874.2	456.0	14.0	40.0	122.0	280.0	416.1	2.1
1983	r1003.8	587.0	23.0	40.0	174.0	350.0	r413.8	3.0
1984	r874.7	460.0	17.0	45.0	143.0	255.0	r411.3	3.4
1985	819.0	415.9	15.0	35.0	135.9	230.0	400.4	2.7
BOTTOMWEIGHT FABRICS*								
1979	1860.3	966.0	26.0	28.0	592.0	320.0	796.8	97.5
1980	1860.6	970.0	19.0	21.0	580.0	350.0	797.4	93.2
1981	1788.0	926.0	11.0	31.0	554.0	330.0	751.5	110.5
1982	1653.0	844.0	8.0	21.0	482.0	333.0	715.7	93.3
1983	r1909.8	1001.0	8.0	30.0	563.0	400.0	r795.2	113.6
1984	r1811.3	960.0	3.0	35.0	580.0	342.0	r724.4	126.9
1985	1806.7	910.3	3.0	27.0	550.3	330.0	790.7	105.7
OTHER APPAREL & ACCESSORIES (MW)*								
1979	84.1	11.5	–	c	2.5	9.0	72.6	c
1980	72.9	5.7	–	0.7	2.0	3.0	67.2	c
1981	74.8	13.5	–	7.0	2.5	4.0	61.3	c
1982	50.1	10.0	–	3.0	3.0	4.0	40.1	c
1983	r42.8	7.0	–	–	3.0	4.0	r35.8	c
1984	r47.5	7.0	–	–	3.0	4.0	r40.5	c
SILK, LINEN 1985	49.2	7.0	–	–	3.0	4.0	42.2	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers Handbook.***

TABLE 7a:
HOME FURNISHINGS[a]

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
TOTAL HOME FURNISHINGS									
	1979	4087.6	3212.7	48.1	146.3	1239.9	1778.4	848.0	26.9
	1980	3656.0	2828.3	47.3	122.4	1189.2	1469.4	801.9	25.8
	1981	3522.6	2749.4	35.7	119.9	1117.3	1476.5	744.5	28.7
	1982	3144.7	2442.9	26.0	78.4	1013.3	1325.2	675.8	26.0
CLASS: 1979-1985	1983	r3950.8	3107.0	27.7	106.9	1319.2	1653.2	r811.8	32.0
15.4, 12.5, 12.7	1984	r4112.1	3225.3	27.5	106.8	1421.2	1669.8	r851.1	35.7
8.8, 13.7, 14.5, NA	1985	4376.2	3466.9	18.5	108.3	1663.7	1676.4	879.7	29.6
*45 BEDSPREADS & QUILTS**									
	1979	137.3	76.5	3.0	3.0	23.5	47.0	60.8	--
	1980	128.2	73.0	5.4	2.1	15.5	50.0	55.2	--
	1981	132.3	82.6	4.9	3.1	15.7	58.9	49.7	--
	1982	123.3	76.7	3.8	2.4	14.0	56.5	46.6	--
	1983	r140.8	91.4	6.0	6.2	16.0	63.2	r49.4	--
	1984	r133.6	81.2	4.0	6.0	15.2	56.0	r52.4	--
	1985	134.6	77.4	c	6.0	17.4	54.0	57.2	--
*46 BLANKETS & BLANKETING**									
	1979	112.1	100.3	0.1	2.0	4.1	94.1	7.3	4.5
	1980	109.1	97.2	--	2.0	3.5	91.7	7.9	4.0
	1981	90.5	78.9	--	0.9	3.5	74.5	7.1	4.5
	1982	79.2	68.0	--	c	2.5	65.5	7.2	4.0
	1983	r70.3	57.2	--	c	1.0	56.2	r8.6	4.5
	1984	r66.8	50.9	--	0.2	1.0	49.7	r10.9	5.0
	1985	73.4	56.4	--	0.2	--	56.2	12.9	4.1
*47 SHEETS & OTHER BEDDING**									
	1979	508.5	254.1	3.0	9.0	22.2	219.9	254.4	--
	1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	--
	1981	512.1	299.5	2.6	13.8	34.0	249.1	212.6	--
	1982	424.5	243.4	3.9	10.6	43.2	185.7	181.1	--
	1983	511.7	299.3	0.5	11.6	79.6	207.6	212.4	--
	1984	r520.9	300.0	0.5	15.0	75.7	208.8	r220.9	--
LINEN	1985	452.9	227.0	1.5	12.5	47.9	165.1	225.9	--
*48 TOWELS & TOWELING**									
	1979	334.3	34.3	--	0.5	c	33.8	300.0	--
	1980	328.5	35.3	--	0.9	c	34.4	293.2	--
	1981	326.7	32.6	--	0.9	0.3	31.4	294.1	--
	1982	306.6	28.7	--	0.6	0.8	27.3	277.9	--
	1983	r379.8	36.0	--	0.3	1.7	34.0	r343.8	--
	1984	r366.0	30.3	--	0.7	0.6	29.0	r335.7	--
LINEN, RAMIE	1985	351.1	22.3	--	0.9	0.2	21.2	328.8	--
*56b NARROW FABRICS**									
	1979	6.2	1.9	0.6	--	0.9	0.4	4.3	--
	1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	--
	1981	6.1	2.3	--	--	0.9	1.4	3.8	--
	1982	5.0	1.8	--	--	0.4	1.4	3.2	--
	1983	5.8	2.1	--	--	0.3	1.8	3.7	--
	1984	4.3	0.5	--	--	c	0.5	3.8	--
	1985	4.8	1.2	--	--	1.2	--	3.6	--

a. For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see page 216.

Continued From Page 207

LIMITATIONS OF THE SURVEY RESULTS

The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long-term trend results of competition between the fibers.

An additional note, the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

TABLE 7b:
HOME FURNISHINGS[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
50 TOTAL CARPETS & RUGS									
	1979	2270.7	2243.2	--	0.6	1038.5	1204.1	16.6	10.9
	1980	1926.0	1900.7	--	0.2	1001.8	898.7	14.9	10.4
	1981	1837.9	1814.4	--	0.7	918.4	895.3	12.0	11.5
STEEL	1982	1711.0	1690.1	--	0.7	834.2	855.2	10.4	10.5
SEE DETAIL IN	1983	r2206.8	2179.9	--	0.6	1064.6	1114.7	r14.0	12.9
ITEMS 50a & 50b	1984	r2287.1	2258.4	--	0.7	1162.1	1095.6	r14.3	14.4
FOLLOWING	1985	2581.8	2551.7	--	1.3	1412.1	1138.3	18.2	11.9
50a FACE YARNS*									
	1979	2009.0	1994.4	--	0.6	817.8	1176.0	3.7	10.9
	1980	1686.1	1672.7	--	0.2	804.0	868.5	3.0	10.4
	1981	1604.0	1587.3	--	0.7	723.1	863.5	5.2	11.5
	1982	1486.2	1470.9	--	0.7	649.5	820.7	4.8	10.5
NON-ADD	1983	1960.9	1941.1	--	0.6	865.8	1074.7	6.9	12.9
SEE DETAIL	1984	1976.6	1954.5	--	0.7	934.3	1019.5	7.7	14.4
IN FOOTNOTE	1985	2149.5	2125.9	--	1.3	1057.5	1067.1	11.7	11.9
50b BACKING*									
	1979	261.7	248.8	--	--	220.7	28.1	12.9	--
	1980	239.9	228.0	--	--	197.8	30.2	11.9	--
	1981	233.9	227.1	--	--	195.3	31.8	6.8	--
	1982	224.8	219.2	--	--	184.7	34.5	5.6	--
GLASS, JUTE, PAPER	1983	r245.9	238.8	--	--	198.8	40.0	r7.1	--
NON-ADD	1984	r310.5	303.9	--	--	227.8	76.1	r6.6	--
SEE ITEM 50	1985	432.3	425.8	--	--	354.6	71.2	6.5	--
51 CURTAINS*									
ALSO SEE ITEM 52	1979	72.9	62.3	1.4	10.6	23.7	26.6	10.6	--
	1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	--
	1981	82.2	73.4	5.6	6.8	25.2	35.8	8.8	--
	1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	--
GLASS:1979-1985	1983	r77.4	68.6	1.2	10.4	25.5	31.5	r8.8	--
0, 0, 0, 0	1984	r102.0	91.2	1.0	9.8	33.1	47.3	r10.8	--
0, 0, 0	1985	100.6	87.8	2.0	10.2	31.5	44.1	12.8	--
52 DRAPERY & UPHOLSTERY*									
	1979	575.8	398.5	37.5	115.0	112.6	133.4	165.8	11.5
	1980	487.9	328.8	34.1	94.4	94.7	105.6	147.7	11.4
	1981	468.0	322.7	21.4	91.4	103.5	106.4	132.6	12.7
SILK, LINEN, BURLAP	1982	376.5	245.2	15.9	57.7	79.4	92.2	119.8	11.5
GLASS: 1979-1985	1983	r475.7	315.3	17.7	76.9	104.3	116.4	r145.8	14.6
7.6, 3.6, 3.7	1984	r519.9	327.8	19.3	73.4	87.3	147.8	r175.8	16.3
3.1, 3.8, 4.0, NA	1985	542.9	335.1	12.8	70.8	104.6	146.9	194.2	13.6
OTHER HOME FURNISHINGS*									
	1979	73.9	45.7	2.5	5.6	18.5	19.1	28.2	--
	1980	73.6	48.0	1.3	5.8	18.8	22.1	25.6	--
	1981	66.8	43.0	1.2	2.3	15.8	23.7	23.8	--
LINEN	1982	57.3	35.7	1.1	1.1	20.5	13.0	21.6	--
GLASS: 1979-1985	1983	r82.5	57.2	2.3	0.9	26.2	27.8	r25.3	--
7.8, 8.9, 9.0	1984	r111.5	85.0	2.7	1.0	46.2	35.1	r26.5	--
5.7, 9.9, 10.5, NA	1985	134.1	108.0	2.2	6.4	48.8	50.6	26.1	--

Noncellulosic yarn includes textile glass. No longer available in 1985.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

TABLE 8a:
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]
MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
TOTAL INDUSTRIAL & OTHER CONSUMER									
	1979	3487.5	3017.3	52.4	220.5	2019.7	724.7	461.7	8.5
	1980	3111.2	2688.1	41.8	209.2	1804.8	632.3	412.4	10.7
	1981	3350.2	2934.5	41.4	188.8	2027.6	676.7	403.9	11.8
GLASS: 1979-1985	1982	2980.6	2593.2	30.1	165.2	1759.4	638.5	377.1	10.3
907.2, 861.8, 951.1,	1983	r3624.5	3228.5	22.5	173.3	2177.4	855.3	r382.0	14.0
866.8, 1190.3,	1984	r3740.1	3344.4	27.9	159.4	2234.4	922.7	r374.7	21.0
1238.2, NA	1985	2479.7	2107.0	30.2	160.1	983.8	932.9	359.6	13.1
56c NARROW FABRICS*									
	1979	95.2	79.5	0.2	c	79.0	0.3	15.7	--
	1980	86.7	71.9	1.0	--	68.1	2.8	14.8	--
	1981	91.5	77.8	3.4	--	74.0	0.4	13.7	--
	1982	87.4	74.9	3.1	--	70.5	1.3	12.5	--
	1983	100.8	88.8	1.0	--	86.6	1.2	12.0	--
	1984	110.9	98.1	0.9	--	96.9	0.3	12.8	--
SILK, LINEN	1985	124.9	112.4	--	--	112.4	c	12.5	--
61 MEDICAL, SURGICAL & SANITARY*									
	1979	359.1	259.9	--	155.0	24.5	80.4	99.2	--
	1980	343.4	253.2	c	141.7	31.6	79.9	90.2	--
	1981	336.2	248.5	--	122.1	38.1	88.3	87.7	--
	1982	324.8	234.6	--	106.2	39.9	88.5	90.2	--
	1983	r339.3	250.3	--	114.3	46.5	89.5	r89.0	--
	1984	r328.6	241.6	--	116.1	54.0	71.5	r87.0	--
	1985	297.6	217.8	--	104.4	58.7	54.7	79.8	--
63-64 TRANSPORTATION FABRIC*									
	1979	59.0	42.5	0.6	2.9	18.8	20.2	16.5	--
	1980	48.5	37.8	--	1.1	16.5	20.2	10.7	--
	1981	62.6	52.8	--	0.5	22.2	30.1	9.8	--
	1982	47.6	38.7	--	1.4	22.8	14.5	8.9	--
	1983	r63.5	53.5	--	0.6	32.3	20.6	r10.0	--
	1984	r72.0	61.4	--	1.1	36.5	23.8	r10.6	--
	1985	85.6	74.3	--	0.8	54.0	19.5	11.3	--
65 TIRES*									
	1979	572.1	565.9	25.7	--	540.2	--	6.2	--
	1980	418.4	413.0	20.5	--	392.5	--	5.4	--
	1981	428.8	424.1	18.9	--	405.2	--	4.7	--
STEEL-SEE FOOTNOTE	1982	359.1	355.2	12.5	--	342.7	--	3.9	--
GLASS: 1979-1985	1983	360.0	356.0	11.0	--	345.0	--	4.0	--
27.4, 22.0, 23.7, 23.6,	1984	r393.3	389.6	14.0	--	375.6	--	r3.7	--
24.2, 24.8, NA	1985	314.7	311.4	9.8	--	301.6	--	3.3	--
66 HOSE*									
	1979	52.5	47.2	15.5	--	19.9	11.8	5.3	--
	1980	43.2	38.7	11.9	--	18.3	8.5	4.5	--
	1981	47.3	42.9	11.5	--	21.7	9.7	4.4	--
	1982	28.8	26.3	7.0	--	15.5	3.8	2.5	--
	1983	r27.5	24.8	6.5	--	15.7	2.6	r2.7	--
	1984	32.9	30.1	8.0	--	19.5	2.6	2.8	--
LINEN	1985	29.4	27.5	11.8	--	15.3	0.4	1.9	--
67 BELTING*									
	1979	92.6	76.9	2.7	0.2	44.7	29.3	15.7	--
	1980	63.4	51.5	2.0	0.7	34.5	14.3	11.9	--
	1981	66.6	54.1	2.4	1.0	37.7	13.0	12.5	--
	1982	48.3	37.8	1.8	0.5	26.7	8.8	10.5	--
GLASS: 1979-1985	1983	r53.6	44.5	1.9	--	28.0	14.6	r9.1	--
0, 0, 0, 0,	1984	r59.9	50.7	3.0	--	31.4	16.3	r9.2	--
0, 0, 0	1985	44.8	33.5	2.5	--	25.1	5.9	11.3	--
69,77 ELECTRICAL & REINFORCED PLASTICS*									
	1979	679.6	654.6	0.2	--	654.2	0.2	25.0	--
	1980	593.4	568.4	--	--	568.4	c	25.0	--
	1981	613.4	588.4	c	--	588.3	0.1	25.0	--
SILK, LINEN, JUTE	1982	486.8	461.8	--	--	461.8	c	25.0	--
GLASS: 1979-1985	1983	662.6	637.6	--	--	637.6	c	25.0	--
648.0, 559.8, 582.3,	1984	735.3	710.3	0.2	--	710.1	c	25.0	--
455.2, 632.7, 705.1, NA	1985	31.3	6.3	0.1	--	6.2	--	25.0	--
70 FELTS*									
	1979	26.5	17.6	--	5.3	5.2	7.1	1.4	7.5
	1980	28.1	17.0	--	3.4	4.8	8.8	1.4	9.7
	1981	27.0	14.8	--	4.0	5.2	5.6	1.4	10.8
	1982	20.2	9.6	--	--	4.6	5.0	1.3	9.3
	1983	27.0	12.7	--	3.5	3.9	5.3	1.3	13.0
	1984	r34.7	13.5	--	3.5	4.0	6.0	r1.2	20.0
	1985	23.7	10.6	--	2.0	3.9	4.7	1.0	12.1

a. For all lettered and general footnotes to this table, please see page 216.

TABLE 8b:
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
71 FILTRATION*									
CIGARETTE FILTRATION	1979	46.0	40.8	--	3.3	10.5	27.0	5.2	--
	1980	47.8	42.2	--	4.0	8.4	29.8	5.6	--
	1981	39.6	34.0	--	4.1	10.1	19.8	5.6	--
	1982	35.9	30.9	--	3.7	9.6	17.6	5.0	--
GLASS: 1979-1985	1983	39.2	34.0	--	1.3	8.8	23.9	5.2	--
6.0, 4.3, 5.0, 4.0,	1984	39.3	34.5	--	3.3	9.8	21.4	4.8	--
5.0, 5.0, NA	1985	37.3	32.8	--	3.2	5.2	24.4	4.5	--
72 SEWING THREAD*									
	1979	111.3	62.6	0.1	3.7	45.7	13.1	48.7	--
	1980	111.9	64.7	c	5.6	46.2	12.9	47.2	--
	1981	135.2	73.7	c	8.0	49.5	16.2	61.5	--
	1982	114.2	60.6	c	7.1	40.0	13.5	53.6	--
	1983	r133.8	76.3	c	7.6	50.0	18.7	r57.5	--
	1984	r123.6	72.2	c	5.2	51.1	15.9	r51.4	--
SILK, LINEN	1985	126.6	81.0	0.4	6.7	57.3	17.0	45.6	--
73 ROPE, CORDAGE, FISHLINE, ETC.*									
	1979	186.2	156.5	2.0	2.1	147.1	5.3	29.7	--
	1980	162.7	135.6	1.8	0.9	130.6	2.3	27.1	--
	1981	172.4	148.2	1.8	0.7	137.4	8.3	24.2	--
	1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
	1983	r170.0	152.2	0.8	0.6	138.3	12.5	r17.8	--
SISAL, LINEN	1984	r186.5	170.9	1.0	0.3	157.1	12.5	r15.6	--
JUTE, SILK	1985	183.7	169.5	0.6	0.6	157.3	11.0	14.2	--
74 BAGS & BAGGING*									
	1979	62.2	55.0	--	--	53.6	1.4	7.2	--
	1980	67.2	60.4	--	--	60.4	--	6.8	--
	1981	69.5	62.9	--	--	61.6	1.3	6.6	--
	1982	68.8	62.6	--	--	62.6	--	6.2	--
	1983	r75.3	69.5	--	--	67.5	2.0	r5.8	--
	1984	46.6	41.3	--	--	40.5	0.8	5.3	--
JUTE	1985	60.2	55.1	--	--	54.5	0.6	5.1	--
75 COATED & PROTECTIVE FABRICS*									
	1979	167.3	113.8	0.1	10.2	40.9	62.6	53.5	--
	1980	175.7	124.2	0.5	10.5	33.3	79.9	51.5	--
	1981	173.0	124.7	--	10.4	33.1	81.2	48.3	--
	1982	164.7	120.4	--	7.1	42.3	71.0	44.3	--
GLASS: 1979-1985	1983	r232.1	181.9	--	10.6	50.2	121.1	r50.2	--
4.0, 3.0, 4.0, 3.0,	1984	r255.2	198.2	--	10.5	59.0	128.7	r57.0	--
4.0, 4.0, NA	1985	190.2	131.5	--	10.2	41.7	79.6	58.7	--
76 PAPER & TAPE REINFORCING*									
	1979	46.7	41.6	1.2	c	40.0	0.4	5.1	--
	1980	40.7	36.2	1.3	c	34.7	0.2	4.5	--
	1981	41.8	38.0	c	0.9	36.6	0.5	3.8	--
JUTE	1982	36.1	33.1	c	0.9	29.9	2.3	3.0	--
GLASS: 1979-1985	1983	39.2	35.8	c	0.4	34.1	1.3	3.4	--
39.5, 32.7, 36.0, 28.5,	1984	47.1	43.4	0.3	0.4	38.7	4.0	3.7	--
33.5, 36.0, NA	1985	6.8	3.9	1.8	0.4	1.7	--	2.9	--
79a FIBERFILL, STUFFING & FLOCK*									
	1979	311.2	311.2	--	5.5	--	305.7	--	--
	1980	254.9	254.9	--	6.3	--	248.6	--	--
	1981	293.5	293.5	--	10.7	--	282.8	--	--
	1982	277.2	277.2	--	7.2	--	270.0	--	--
	1983	331.7	331.7	--	7.4	--	324.3	--	--
	1984	321.4	321.4	--	4.1	--	317.3	--	--
	1985	348.6	348.6	--	6.5	--	342.1	--	--
79b UNALLOCATED NONWOVENS*									
	1979	118.3	118.3	--	14.8	--	103.5	--	--
	1980	95.4	95.4	--	14.1	--	81.3	--	--
	1981	83.0	83.0	--	12.0	--	71.0	--	--
	1982	90.4	90.4	--	9.2	--	81.2	--	--
	1983	136.6	136.6	--	6.9	--	129.7	--	--
	1984	189.2	189.2	--	3.0	--	186.2	--	--
	1985	245.5	245.5	--	12.4	--	233.1	--	--
MISCELLANEOUS INDUSTRIAL & CONSUMER-TYPE PRODUCTS*									
	1979	501.7	373.4	4.1	17.5	295.4	56.4	127.3	1.0
	1980	529.8	423.0	2.8	20.9	356.5	42.8	105.8	1.0
	1981	668.8	573.1	3.4	14.4	506.9	48.4	94.7	1.0
GLASS: 1979-1985	1982	627.8	539.8	4.7	21.1	463.9	50.1	87.0	1.0
182.3, 240.1, 318.3,	1983	832.3	742.3	1.3	20.1	632.9	88.0	89.0	1.0
325.5, 490.9, 461.3,	1984	r763.6	678.0	0.5	11.9	550.2	115.4	r84.6	1.0
NA	1985	328.8	245.3	3.6	12.9	88.9	139.9	82.5	1.0

Noncellulosic yarn includes fiber glass. No longer available in 1985.
Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

TABLE 9:
EXPORTS OF DOMESTIC PRODUCTS[a]

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
TOTAL EXPORTS OF DOMESTIC PRODUCTS								
1979	620.4	313.4	21.0	12.0	128.6	151.8	301.3	5.7
1980	617.5	351.8	20.0	10.8	141.0	180.0	259.3	6.4
1981	489.9	318.6	17.2	10.3	121.0	170.1	165.8	5.5
1982	338.7	217.5	11.7	6.9	82.5	116.4	114.9	6.3
1983	281.6	185.9	11.0	6.0	70.0	98.9	90.6	5.1
1984	279.5	190.9	9.4	6.1	73.0	102.4	84.5	4.1
1985	328.4	209.5	9.6	6.6	75.8	117.5	108.0	10.9
*80 YARN, THREAD, ETC**								
1979	94.2	55.8	e	4.0	e	51.8	34.2	4.2
1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
1982	77.7	42.7	e	2.5	e	40.2	30.1	4.9
1983	72.5	37.3	e	2.0	e	35.3	31.2	4.0
1984	61.0	38.3	e	2.6	e	35.7	20.0	2.7
1985	86.0	50.9	e	2.7	e	48.2	25.8	9.3
*81 WOVEN & KNIT FABRIC**								
1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
1983	209.1	148.6	11.0	4.0	70.0	63.6	59.4	1.1
1984	218.5	152.6	9.4	3.5	73.0	66.7	64.5	1.4
1985	242.4	158.6	9.6	3.9	75.8	69.3	82.2	1.6
*82 TIRE CORD & CORD FABRIC**								
1979								
1980								
1981								
1982								
1983								
1984								
1985								

INCLUDED IN TIRES (END USE 65)

a. For all lettered and general footnotes to this table, please see page 215.

NOTES FOR EXPORT ITEMS ABOVE

For all lettered and general footnotes to this table, see page 215.

These exports do not duplicate the end use poundages that are reported in Items1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 189 of the August 1986 ***Organon,*** as revised.

80. YARN, THREAD, ETC:
Consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC:
Consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote on page 189 of the August1986 ***Organon.***

82. TIRE CORD & CORD FABRIC:
Data shown in this series in previous ***Organon*** issues have been incorporated into Item 65, Tires. See footnote 65 on page 217.

GENERAL NOTES FOR END USE TABLES
ON PAGES 208-214

Units are in million pounds.

- -- Means that little, or none, of the fiber is used.
- * When an asterisk appears, there is a footnote at the end of the table.
- • Means a significant revision in the 1979-1984 data series compared with the corresponding data shown in the September 1985 ***Organon*** issue. Earlier years' data on the new basis are not available.
- a. This letter in the title of each table refers the reader to these notes.
- b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic, olefin, saran, spandex and textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 217. All textile glass fiber is tabulated as yarn. In 1985, textile glass fiber is no longer included. Certain waste poundages, which are tabulated with staple, are included; see text on page 204.

  The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.
- c. Means less than 50,000 pounds, i.e., nominal.
- d. The staple data are tabulated in the yarn column.
- e. The yarn data are tabulated in the staple column.
- r. This datum shows a significant revision compared with the September 1985 ***Organon*** data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1979-1984. These glass fiber poundages are included with noncellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man-made fibers, the fiber is named in the middle left of the end use box, but no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS
PAGES 208-209

For all lettered and general footnotes to this table, see notes above.

40. SHEER HOSIERY:
Includes pantyhose, stockings, body stockings, leotards & tights, sheer knee-highs & anklets and support hose.

19,41. ANKLETS & SOCKS:
Include footsocks, anklets, half-hose, over-the-calf hosiery and nonsheer knee-highs for all ages and both sexes. Also includes infants' and children's waist-highs.

8,29. SWEATERS (MW):
Knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. CRAFT & HANDWORK YARNS:
Yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. Does not include sewing thread (Item 72). Olefin yarn for macramé is in Miscellaneous Industrial.

16-18. UNDERWEAR & NIGHTWEAR (M):
Undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS:
Underwear and nightwear component includes full and half-slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Also includes bodywear and all children's and infants' underwear & nightwear.
Excludes the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations include corsets, girdles, combinations and one-piece garments, garter belts, hose supporters, two-way stretch and surgical & maternity foundation garments.

10,31. ROBES & LOUNGEWEAR (MW):
Men's & boys' beach & bathrobes, dressing gowns and smoking jackets; and women's beach & bathrobes and housecoats.

54a. HIGH PILE FABRICS:
Include all applications. End uses such as coatings, collar trims, linings, backings and paint rollers are included. Napped or brushed fabrics such as fleeces, velvets or corduroys are excluded.

54b. FABRICS FOR LINING:
All man-made fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. APPAREL LACE:
Nets and veilings.

55. RETAIL PIECE GOODS:
Mainly women's apparel-type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. NARROW FABRICS: ELASTIC AND NONELASTIC TYPES.

The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused-edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS:

All shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS:

Pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL:

Men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS
PAGES 210-211

For all lettered and general footnotes to this table, see page 215.

HOME FURNISHINGS:

Data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 204 regarding the inclusion of certain man-made fiber waste poundages here. Certain felt poundages are in Item 70.

45. BEDSPREADS:

Tailored & throw spreads, both tufted & woven , as well as the backing. **QUILTS:** Comforters and their outer shell; quilted pads are in Item 47.

46. BLANKETS & BLANKETING:

Woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47. SHEETS:

Pillowcases. **OTHER BEDDING:** Outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man-made filament is chiefly polyester for bed ticking.

48. TOWELS & TOWELING:

Woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

56b. NARROW FABRICS:

Only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50. CARPETS & RUGS FACE FIBER (TOTAL):

Sum of 50a & 50b.

50a. FACE YARNS:

Tufted, woven, knitted and needle-punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle-punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. CARPET BACKING FIBERS:

The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small poundages of nylon & polyester filament yarn. The Other Staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51. CURTAINS:

Lace and other types (principally woven) i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. DRAPERY & UPHOLSTERY:

Furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS:

Woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man-made fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS
PAGES 212-213

For all lettered and general footnotes to this table, see page 215.

56c. NARROW FABRICS:

Woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. MEDICAL, SURGICAL & SANITARY:

Bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabu-

lated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. TRANSPORTATION FABRIC:
Auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1979, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. TIRES:
All types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent uncoated yarns and are no longer available in 1985.

The consumption of steel tire cord for the years 1979-1985 inclusive is estimated as follows: 180.0, 142.0, 154.3, 159.8, 219.2, 300.5 & 317.6. However, these poundages are **not included** in Item 65 above.

66. HOSE:
Fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. BELTING:
Includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V-belts.

69 & 77. ELECTRICAL APPLICATIONS & REINFORCED PLASTICS:
The cotton poundages are estimated.

Electrical Applications: Electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics: High- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.) and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. FELTS:
Wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool poundage includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. FILTRATION:
Woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. SEWING THREAD:
Home sewing and industrial & weight goods, as well as medical sutures.

73. ROPE (Braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC:**
Includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. BAGS & BAGGING:
Man-made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. COATED & PROTECTIVE FABRICS:
For the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets; awnings; beach, garden & tractor umbrellas; inflatable dunnage & cushions; air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates; such poundages are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

76. PAPER & TAPE REINFORCING:
Gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. FIBERFILL, STUFFING & FLOCK:
All applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1979-1985 inclusive was: 240.8, 206.1, 228.3, 229.3, 276.5, 277.7 & 281.1. For the same years, use of polyester waste for stuffing and filling materials was: 45.4, 24.0, 20.7, 24.1, 30.4, 24.8 & 50.5.

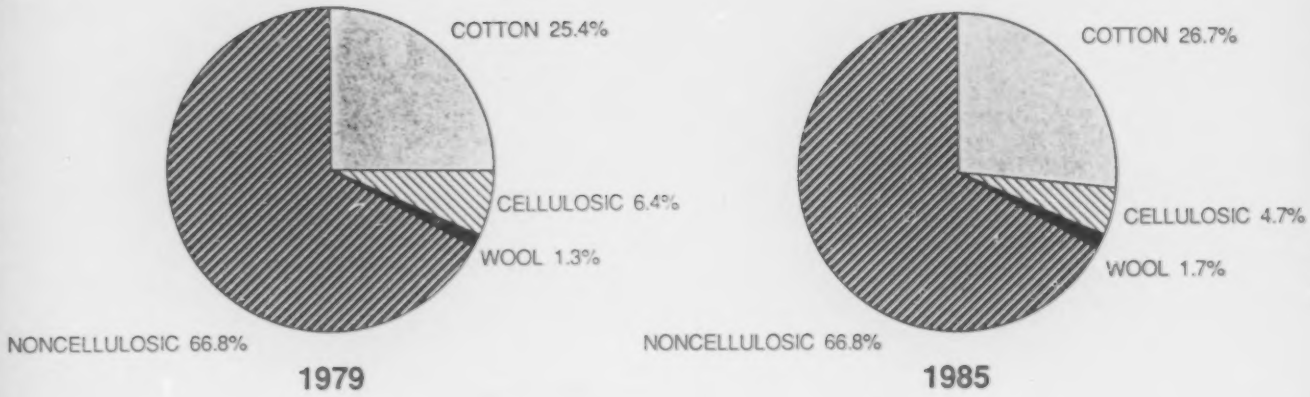
79b. UNALLOCATED NONWOVENS:
All nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary; filtration; coated & protective fabrics; and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS:
The cotton for abrasives; book binding; luggage & handbags; shoes & slippers; tobacco cloth; woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macramé and other craft yarns.

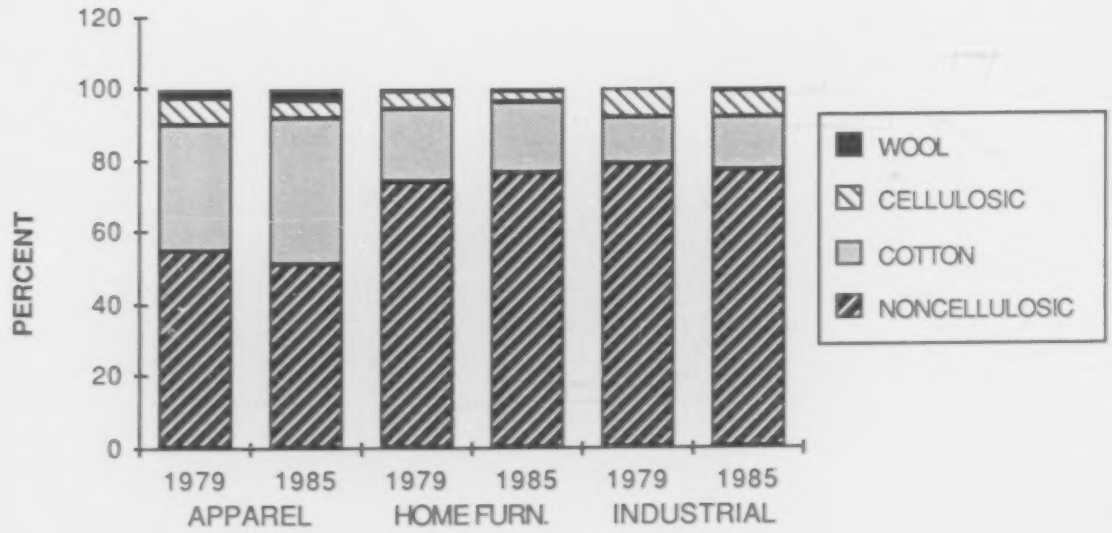
Also included under Other Yarn are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built-up roofing and wall board & plaster.

GRAPH 1:
PERCENT SHARE OF U.S. END USE SUMMARY

TOTAL END USE BY FIBER



TOTAL END USE BY SEGMENT & FIBER



TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE CONTINUES TO FALL

The U.S. man-made fiber balance of trade fell sharply in July, as the net- export balance of trade fell to 9.4 million pounds, down from the 16.6 million pound export balance in June.

Falling exports coupled with rising imports caused the decline in the trade balance. Imports of fiber totaled 36.5 million pounds, up over 11% from the June level of 32.8 million pounds. July exports of fiber totaled 45.9 million pounds, down over 7% from the 49.5 million pounds exported in June.

The July trade balance is almost 83% below that of July 1985. This month's exports are nearly 45% lower than the level of last July, when exports totaled 83.6 million pounds. Imports in July are up almost 21% from the import level of 30.2 million pounds of July 1985.

JULY DETAIL

The net-export balance of trade in noncellulosic staple+tow plummeted 70% in July to 1.2 million pounds and the net-export blance in noncellulosic yarn+monofilaments fell nearly 10% to 6.4 million pounds.

The noncellulosic staple+tow balance of trade declined in July as exports fell 2.1%, while imports rose nearly 17%.

The balance of trade for noncellulosic yarn+monofilaments fell in July as imports rose by almost 6% and exports remained virtually unchanged.

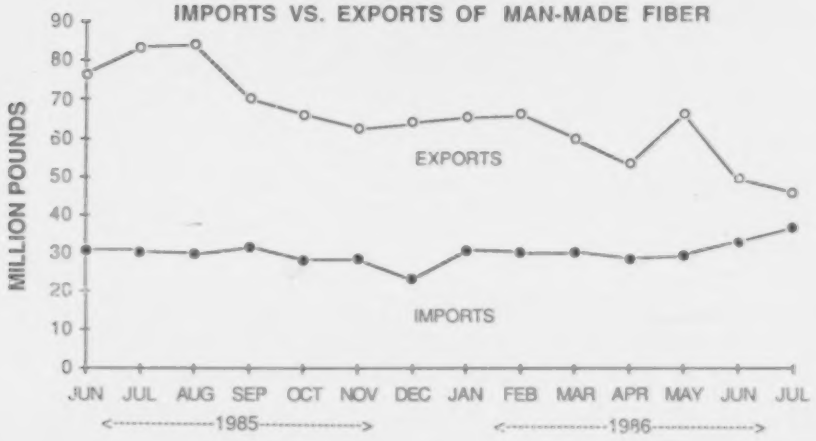
Products to note in July:

- Acrylic staple+tow. Imports rose nearly 91%.
- Nylon staple. Imports increased by 60%.
- Noncellulosic staple. Imports rose by almost 29%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***

GRAPH 2:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 3:
MAN-MADE FIBER TRADE BALANCE DETAIL

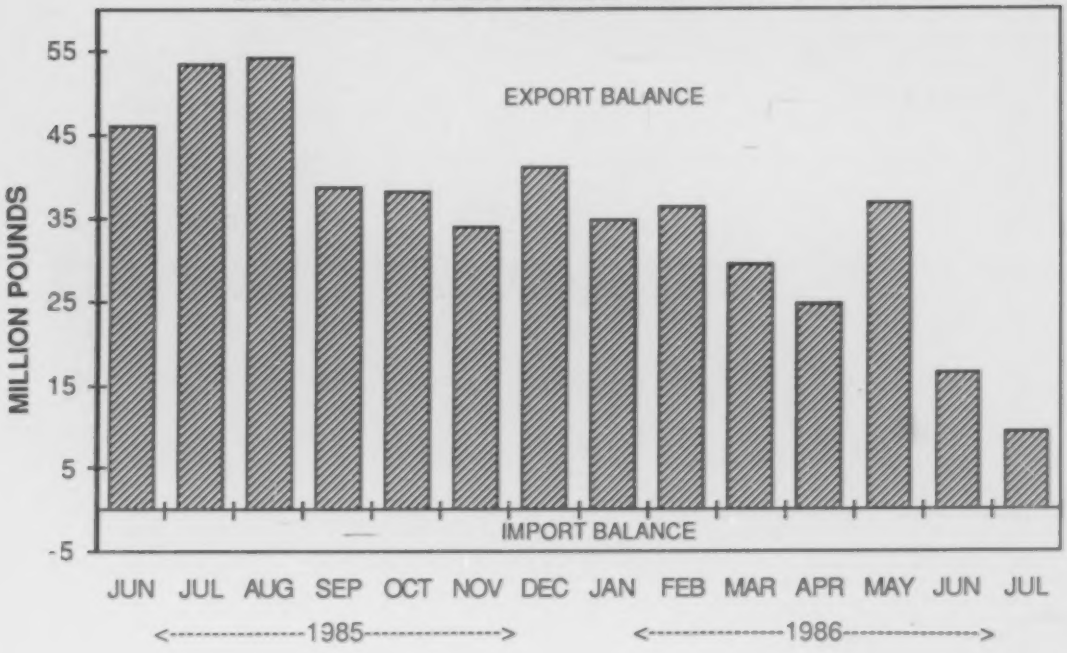


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985							1986						
	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
CELLULOSIC YARN+MONOFILAMENTS	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I	0.7 I
CELLULOSIC STAPLE+TOW	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E	1.5 E
NONCELLULOSIC YARN+MONOFILAMENTS	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E	6.4 E
NONCELLULOSIC STAPLE+TOW	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E	1.2 E
CELLULOSIC WASTE	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E	0.1 E
NONCELLULOSIC WASTE	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E	0.9 E
TOTAL	46.2 E	53.6 E	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E	9.4 E

I means net-import balance.
E means net-export balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0						191	365
CANADA	200	420	226	302	698	431	465						2742	1169
GERMANY, FED. REP. OF	482	284	783	594	22	494	489						3148	3024
JAPAN	95	41	50	25	35	26	32						304	312
MEXICO	81	114	0	62	0	0	63						320	616
NETHERLANDS	195	181	167	233	34	179	124						1113	728
REP. OF KOREA	80	60	80	80	0	60	20						380	161
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118	40						960	424
TOTAL CELLULOSIC YARN	1375	1302	1442	1614	884	1308	1233						9158	6799
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102						992	209
CANADA	777	981	724	948	764	620	1221						6035	3985
JAPAN	143	75	128	108	108	89	63						714	328
MEXICO	310	0	109	123	41	142	82						807	0
UNITED KINGDOM	105	39	80	69	42	40	114						489	824
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297	116						807	2049
TOTAL CELLULOSIC STAPLE+TOW	1605	1095	1526	1384	1198	1338	1698						9844	7395
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7						82	115
AUSTRIA	113	7	115	4	150	47	135						571	525
BELGIUM	1152	1901	531	297	449	1550	1024						6904	4393
BRAZIL	1	56	0	0	6	0	0						63	214
CANADA	1282	338	857	1384	1239	1598	1793						8491	8171
COSTA RICA	480	430	349	608	736	647	468						3718	69
FRANCE	405	689	679	249	493	456	889						3860	2707
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735						13237	11685
ISRAEL	413	277	316	226	179	239	487						2137	1338
ITALY	790	529	1158	895	1083	1331	1598						7384	7752
JAPAN	646	553	1019	693	895	758	807						5371	4386
MEXICO	128	917	1223	931	928	431	1366						5924	5001
NETHERLANDS	74	213	29	6	255	249	47						873	498
SOUTH AFRICA	853	866	532	631	565	143	322						3912	6450
SWITZERLAND	74	74	1	2	224	59	1						435	175
TAIWAN	36	39	47	144	111	32	205						614	151
UNITED KINGDOM	573	510	352	307	454	581	754						3531	4369
YUGOSLAVIA	85	0	0	0	0	0	0						85	2027
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145	369						1358	977
TOTAL NONCELLULOSIC YARN	8347	8832	8828	7368	9862	12306	13007						68550	61003
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18						283	347
BRAZIL	35	60	22	0	0	161	179						457	2889
CANADA	2650	1831	1430	1882	1977	1812	1464						13046	14266
COSTA RICA	31	44	0	0	0	0	0						75	1596
FRANCE	996	984	984	761	888	782	819						6214	5721
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194						19101	14611
ISRAEL	42	81	48	80	28	44	25						348	617
ITALY	1237	1748	1504	1525	721	1345	2619						10699	8174
JAPAN	1919	1523	2265	1431	1515	2286	2381						13320	12277
MEXICO	1025	1105	1011	1249	1599	832	1973						8794	4657
NETHERLANDS	20	0	+	43	0	0	29						92	272
REP. OF KOREA	492	355	551	88	343	650	431						2910	2438
ROMANIA	210	88	158	0	438	0	456						1350	566
SOUTH AFRICA	80	88	0	25	53	53	49						348	313
SWITZERLAND	137	0	23	48	88	96	84						476	327
TAIWAN	2105	1587	2111	1961	1272	1380	2039						12455	10157
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659						14048	8139
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164	156						1530	861
TOTAL NONCELLULOSIC STAPLE+TOW	16044	14909	15083	14619	14138	14178	16575						105546	88228

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 238, China, PRC 2, France 47, Ireland 355, Israel 28, Italy 5, Taiwan 62, Thailand 17, United Kingdom 108, Yugoslavia 50.

b. France 10, Germany, Federal Rep. of 93, Hong Kong 6, Italy 208, Sweden 445, Taiwan 45.

c. Chile 88, Colombia 73, Denmark 122, Dominican Rep. +, Egypt +, Greece +, Hong Kong +, Hungary 48, India +, Ireland 158, Korea, Rep. of 200, Norway 2, Philippines +, Romania 323, Singapore 82, Somalia 95, Spain +, Sweden 167.

d. Australia 235, Austria 177, China, PRC 117, Denmark 59, Finland 18, Greece 12, Hong Kong 27, Ireland 140, Kenya 31, Malaysia 96, Philippines 1, Spain 7, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155						396	79
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628	1160	1037						8120	6297
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0						15	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41						627	405
SUBTOTAL ABOVE		1375	1302	1442	1614	884	1308	1233						9158	6799
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524						9043	6778
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174						801	617
SUBTOTAL ABOVE		1605	1095	1526	1384	1198	1338	1698						9844	7395
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	+	0	+	33	+	43	0						76	288
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213						1700	16988
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606						17051	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210						7127	10333
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997						11496	7822
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274						11666	13132
- POLYESTER	310.0150 & .0250	1898	1331	2300	1911	2512	2269	1885						14196	9474
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409	395						2753	1269
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202	206						1620	1319
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221						941	666
SUBTOTAL ABOVE		8347	8832	8828	7368	9862	12306	13007						68550	61003
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098						27569	21420
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206						21332	15397
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407						9595	8491
- OLEFIN	309.4370	623	222	149	28	107	194	205						1528	2683
- OTHER	309.4340 & .4380	2666	1949	1613	1881	178	820	1137						11544	14020
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174						23189	17453
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223						1113	2914
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023						7860	4687
OTHER	309.3065 & .3365	341	203	141	285	364	380	102						1816	1163
SUBTOTAL ABOVE		16044	14909	15083	14619	14138	14178	16575						105546	88228
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034						13428	18544
- POLYESTER	309.6630	560	403	465	827	511	434	733						3933	5082
- ACRYLIC	309.6645	0	0	6	0	19	0	188						213	86
- OTHER	309.6660	892	813	256	748	922	692	738						5061	869
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0						121	93
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	248	261						2269	2135
SUBTOTAL ABOVE		3381	3871	3414	3470	3259	3676	3954						25025	26811
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341	32849	36467						218199	190524
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0	0	0	0	0						30	1
- NONCELLULOSIC	310.1015[d]& .1109[e]	1309	1305	586	1260	62	543	165						5860	4923
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+	+	11	2	0						26	263
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49	63	54	24	113						395	3292
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	262	361						1544	926
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132	5686						26327	20598
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388						8776	4791
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495	369						2915	4858
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255						2006	1528
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891	2025						15895	19473
GRAND TOTAL ABOVE		37875	38884	39069	37702	38412	42202	47829						281973	251177

SOURCE: U.S. Census Bureau Report IM145X.
NES - Not elsewhere specified.
+ Means a nominal poundage.
* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.
b. Also includes 309.0530, .0550, .0630 & .0650.
c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.
d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.
e. Also includes 310.1110 & .1114.
f. Also includes 310.2010 & .2110.
g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130, .2150.
h. Also includes 310.5030.
i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051
j. Also includes 310.9300 & .9500
k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4	30						67	49
OTHER[b]	310.0026	483	499	712	729	742	573	532						4270	5018
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12						64	64
STRIPS	309.2210	0	0	1	1	12	0	0						14	7
SUBTOTAL ABOVE		501	505	740	760	758	577	574						4415	5138
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084						18016	21359
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77						1011	986
SUBTOTAL ABOVE		2437	2584	5493	1013	2610	1729	3161						19027	22345
WASTE, ADVANCED&NOT ADVANCED	309.7400	68	233	157	303	126	171	95						1153	837
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097						13769	14974
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273	7012						42365	39262
- OTHER	310.0029	638	1276	1238	867	425	849	731						6024	5457
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940						56113	75448
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942	1361						14424	15921
- OTHER[d]	310.0034	735	128	90	189	151	341	60						1694	5532
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433	1067						15451	4561
- OLEFIN	310.0040	67	951	84	119	87	45	25						1378	299
- OTHER	310.0044	212	600	479	524	742	400	697						3654	5653
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332						2838	1411
POLYESTER[e]	309.0140	663	503	340	535	589	432	405						3467	3480
OTHER	309.0170	283	450	537	418	373	292	249						2602	6321
STRIPS	309.2220 & .2270	320	283	194	221	362	379	479						2238	2705
SUBTOTAL ABOVE		28851	24142	23283	20953	29906	19427	19455						166017	181024
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858						7947	5981
- POLYESTER	309.4242	8164	8395	8714	6651	9885	8676	9271						57756	126504
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981						37245	91429
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018						7623	4040
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351						10185	6277
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204						3517	1055
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339	1281						11476	18730
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815						14405	18385
SUBTOTAL ABOVE		25175	27011	20662	18603	22761	18163	17779						150154	272401
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	290	806	408	628	785	387	525						3838	1737
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966	2224						34149	23483
- ACRYLIC	309.7640	569	624	1080	228	399	824	322						4046	2325
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752						24244	7722
SUBTOTAL ABOVE		8547	11909	9561	11744	10275	9418	4823						66277	35267
TOTAL MAN-MADE ABOVE		65579	66384	59896	53376	66436	49485	45887						407043	517012
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148						33220	38454
GRAND TOTAL ABOVE		69934	70935	64938	57956	71444	54021	51035						440263	555466

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 14:
FILAMENT YARN DOMESTIC SHIPMENTS*

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(C) CELLULOSIC YARN [i]		*(N) NYLON*		*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY[b]	N	92.3	104.3	101.5	98.1	25.2	25.0	24.8	23.1	26.5	25.3		
OTHER CIRCULAR KNIT[c]	N	25.7	24.5	17.6	12.9	3.1	3.2	3.0	3.6	4.3	6.0		
	P	228.4	293.7	174.7	182.0	33.1	46.9	58.6	43.4	39.3	37.4		
	C	1.6	2.1	2.3	2.6	0.4	0.4	1.1	0.7	0.6	0.6		
FLAT KNIT	C	71.7	79.1	67.2	53.0	15.5	15.4	11.7	10.4	11.4	13.7		
	N	130.8	162.2	135.2	143.6	36.0	33.4	35.9	38.3	36.8	33.2		
	P	87.0	116.6	137.3	160.8	37.1	39.5	38.9	45.3	40.6	38.9		
CARPET FACE	N	559.5	734.6	770.2	815.4	163.9	207.5	223.6	220.4	207.0	217.8		
	O	90.0	147.2	154.1	202.1	44.8	51.2	53.9	52.2	49.7	50.5		
CARPET BACKING[d]	O	184.7	198.8	227.8	354.6	83.8	93.4	91.0	86.4	89.1	98.0		
OTHER BROAD WOVEN[e]	C	88.8	113.6	108.8	111.3	22.7	26.7	28.9	33.0	31.9	31.9		
	N	82.2	83.6	90.7	71.4	16.9	16.3	17.7	20.5	20.2	19.7		
	P	367.0	489.9	392.2	400.4	96.1	107.2	102.5	94.6	87.1	77.5		
	O	172.5	201.1	190.3	225.7	54.6	60.1	55.6	55.4	61.4	66.7		
NARROW WOVEN[f]	C	2.9	1.7	0.7	1.5	0.2	0.3	0.4	0.6	0.9	0.2		
	N	30.2	35.3	39.9	31.1	7.8	7.7	8.3	7.3	8.0	8.6		
	P	28.1	35.5	38.7	38.4	9.6	9.5	10.2	9.1	11.5	10.7		
	O	12.1	15.0	14.9	15.2	3.8	4.0	3.9	3.5	4.5	4.5		
TIRES, INCL. CHAFER[k]	N	147.9	145.5	172.9	146.0	42.7	36.4	32.3	34.6	35.8	33.5		
	P	168.9	174.1	174.4	155.5	44.5	40.2	34.2	36.6	44.7	37.4		
OTHER RUBBER INDUSTRY[g,k]	N	17.3	16.3	20.9	15.3	4.6	3.7	3.5	3.5	4.2	3.6		
	P	26.7	27.8	32.7	32.2	7.2	8.2	8.3	8.5	2.9	8.4		
ROPE, CORDAGE & FISHLINE	N	29.1	31.7	35.0	35.3	8.6	8.6	8.7	9.4	9.6	9.5		
	P	14.4	12.2	15.7	13.8	3.1	3.7	3.9	3.1	3.4	3.4		
	O	84.8	95.5	106.9	108.2	28.8	29.8	23.2	26.4	27.0	28.2		
ALL OTHER[h]	C	4.0	1.1	1.1	18.7	5.6	5.2	4.5	3.4	3.8	4.0		
	N	50.6	54.4	54.2	48.3	14.9	11.2	11.1	11.1	11.0	11.5		
	P	214.3	144.6	179.2	221.1	59.4	56.4	52.8	52.7	55.3	39.8		
	O	32.9	41.0	31.6	31.8	7.8	7.5	6.8	9.7	9.6	10.5		
TOTAL ABOVE	**C**	**169.0**	**197.6**	**180.1**	**187.1**	**44.4**	**48.0**	**46.6**	**48.1**	**48.6**	**50.4**		
	N	**1165.6**	**1392.4**	**1438.1**	**1417.4**	**323.7**	**353.0**	**368.9**	**371.8**	**363.4**	**368.7**		
	P	**1134.8**	**1294.4**	**1144.9**	**1204.2**	**290.1**	**311.6**	**309.2**	**293.3**	**284.8**	**253.5**		
	O	**577.0**	**698.6**	**725.6**	**937.6**	**223.6**	**246.0**	**234.4**	**233.6**	**241.3**	**258.4**		
TOTAL DOMESTIC		3046.4	3582.8	3488.7	3746.3	881.8	958.6	959.1	946.8	938.1	931.0		
ALSO DIVIDED AS													
APPAREL		*1128.2*	*1257.5*	*1072.1*	*1065.0*	*254.9*	*275.9*	*279.3*	*254.9*	*247.4*	*235.7*		
HOME FURNISHINGS		*1016.6*	*1328.7*	*1354.2*	*1626.1*	*351.4*	*414.7*	*430.1*	*429.9*	*405.5*	*419.7*		
INDUSTRIAL		*901.6*	*996.8*	*1062.4*	*1055.2*	*275.5*	*268.0*	*249.7*	*262.0*	*285.2*	*275.6*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		122.3	127.1	118.7	114.9	28.4	28.7	29.0	28.8	29.7	31.3		
POLYESTER		737.9	832.4	675.5	776.3	181.0	204.5	206.0	184.8	168.9	144.0		
OLEFIN		26.8	28.0	23.3	22.3	5.2	5.9	5.2	6.0	5.1	5.8		

*. Includes Aramid in 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester and cellulosic yarn are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Otrher.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985 and 1986: acetate and rayon yarn.

k. Cellulosic yarn poundages included in All Other.

TABLE 15:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA 1985				QUARTERLY DATA 1986			
		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON	*(N) NYLON**	*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS	* A	230.5	237.3	204.8	197.2	48.8	48.9	49.0	50.5	57.2	62.1		
	NPR	8.8	9.5	6.6	5.5	1.7	1.1	1.3	1.4	1.4	1.2		
PILE FABRICS[b]	A	36.4	33.0	30.0	24.5	6.6	7.1	6.3	4.5	6.0	6.6		
	P	15.6	18.2	18.4	14.9	3.9	4.1	3.7	3.2	4.1	3.5		
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	5.7	3.5	4.3	5.5	0.7	1.3	2.2	1.3	1.1	1.1		
	A	112.6	129.5	118.5	139.1	27.3	38.3	37.6	35.9	38.7	55.6		
	P	288.8	354.4	283.0	295.5	67.7	76.7	74.0	77.1	87.9	89.2		
BLANKETS[b]	A	23.7	27.1	25.2	30.2	6.1	7.4	8.8	7.9	6.6	6.7		
	P	12.0	10.5	5.5	6.2	0.9	1.9	2.2	1.2	0.8	1.0		
OTHER BROAD WOVEN	R	146.6	182.1	177.7	174.9	39.0	39.4	44.6	51.9	53.9	53.2		
	N	56.4	59.0	42.5	37.4	11.4	8.2	8.8	9.0	10.0	9.7		
	A	25.7	32.5	29.5	38.2	8.8	9.6	9.2	10.6	9.8	8.4		
	P	889.0	1062.9	1039.1	864.9	214.1	208.3	212.4	230.1	226.8	229.8		
	O	16.1	19.4	22.1	26.9	6.4	6.9	6.0	7.6	1.0	5.0		
CARPET FACE YARNS	R	0.1	0.2	0.3	0.5	0.1	0.1	0.1	0.2	0.1	0.2		
	N	594.4	815.2	751.0	773.9	176.5	190.0	199.4	208.0	180.1	188.6		
	A	INCLUDED IN ALL OTHER											
	P	114.7	139.0	131.4	126.8	30.7	33.9	30.3	31.9	31.3	38.4		
	O	76.8	93.6	96.5	107.4	25.2	30.6	27.7	23.9	25.4	30.4		
FIBERFILL[d]	P	228.4	275.4	276.1	281.1	72.6	65.0	68.6	74.9	71.6	69.1		
FLOCK	NP	10.2	10.6	9.2	5.3	1.4	1.2	1.3	1.4	1.6	1.4		
	R	3.1	3.2	2.7	1.8	0.6	0.4	0.6	0.2	0.6	0.4		
NONWOVENS[e,f]	R	111.9	119.0	126.3	113.5	27.6	28.9	29.0	28.0	31.7	33.2		
	N	3.8	4.9	2.8	2.5	0.7	0.7	0.5	0.6	0.5	0.5		
	P	155.2	177.4	177.2	162.5	44.0	39.2	39.5	39.8	46.5	41.4		
	VINYON+O	39.0	61.5	119.2	135.8	34.0	32.0	34.7	35.1	42.3	45.2		
ALL OTHER	R	24.3	23.8	18.8	25.9	5.5	6.1	6.0	8.3	3.7	3.5		
	N	7.7	5.2	9.4	11.2	2.8	2.6	2.9	2.9	2.9	3.0		
	A	29.0	32.8	38.7	29.5	7.7	8.4	7.7	5.7	4.8	4.3		
	P	57.8	55.8	56.2	116.9	21.0	30.4	30.8	34.7	29.3	26.7		
	VINYON+O	7.0	8.9	3.1	9.6	1.6	2.4	2.4	3.2	5.2	2.0		
TOTAL ABOVE	**R**	**293.7**	**333.5**	**331.9**	**323.7**	**73.8**	**76.6**	**82.9**	**90.4**	**91.6**	**92.0**		
	N	**673.3**	**897.1**	**814.4**	**830.3**	**192.8**	**202.7**	**212.9**	**221.9**	**195.2**	**203.2**		
	A	**457.9**	**492.2**	**446.7**	**458.7**	**105.3**	**119.7**	**118.6**	**115.1**	**123.1**	**143.7**		
	P	**1767.5**	**2099.2**	**1992.2**	**1872.7**	**456.3**	**460.2**	**462.4**	**493.8**	**499.1**	**499.9**		
	VINYON+O	**138.9**	**183.4**	**240.9**	**279.7**	**67.2**	**71.9**	**70.8**	**69.8**	**73.9**	**82.6**		
TOTAL DOMESTIC		**3331.3**	**4005.4**	**3826.1**	**3765.1**	**895.4**	**931.1**	**947.6**	**991.0**	**982.9**	**1021.4**		
ALSO DIVIDED AS													
APPAREL		*1321.7*	*1461.3*	*1277.1*	*1255.0*	*289.0*	*316.4*	*314.0*	*335.6*	*363.6*	*390.5*		
HOME FURNISHINGS		*1266.4*	*1630.0*	*1559.0*	*1536.9*	*365.7*	*380.0*	*385.2*	*406.0*	*371.0*	*385.1*		
INDUSTRIAL		*743.2*	*914.1*	*992.1*	*973.2*	*240.7*	*234.7*	*248.4*	*249.4*	*248.3*	*245.8*		

*. 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon, acrylic and nylon poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

TABLE 16:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	17.8	17.2	18.3	19.4	18.9	17.2	17.7	17.3					143.8	139.4
NYLON[e]- INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3					218.6	231.2
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6					588.9	529.6
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0					242.5	233.6
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7					206.7	194.6
- TEXTILE[k]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5					566.5	671.2
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9					670.8	633.2
TOTAL NONCELLULOSIC ABOVE [i]	307.2	319.5	313.7	315.8	311.4	308.3	299.1	319.0					2494.0	2493.4
STAPLE +TOW+FIBERFILL[j]														
RAYON	34.9	30.0	33.0	32.7	34.9	31.3	34.2	34.9					265.9	235.0
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6					571.1	544.3
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7					413.8	434.2
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0					1389.9	1348.6
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3					220.6	190.1
TOTAL NONCELLULOSIC ABOVE	324.8	308.5	318.9	331.8	340.5	309.0	323.3	338.6					2595.4	2517.2
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	13.3	12.2	13.3	12.1	12.2	12.5	13.3	13.3					13.3	17.9
NYLON[e]- INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6					33.6	29.7
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	55.8					55.8	49.5
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	40.1					40.1	45.8
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9					32.9	27.8
- TEXTILE[k]	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9					83.9	86.9
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.2					63.2	62.2
TOTAL NONCELLULOSIC ABOVE	304.7	309.3	317.1	316.5	319.2	305.3	309.8	309.5					309.5	301.9
STAPLE+TOW+FIBERFILL														
RAYON	20.7	21.1	19.7	20.1	18.4	20.5	20.5	19.5					19.5	24.3
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4					68.4	66.9
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9					56.9	66.0
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4					162.4	156.1
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6					30.6	24.5
TOTAL NONCELLULOSIC ABOVE [i]	310.3	317.7	332.3	326.2	321.5	330.5	334.8	318.3					318.3	313.5
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.6							80.0	63.9
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7							4.9	6.7
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.3							84.9	70.6
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	218.7						1827.3	1546.0

a. Year-to-date totals for stock, which is the latest month's data.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic plus export shipments.
d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.
e. Data for nylon exclude aramid.
f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
g. Low denier Industrial is defined as finer than 500 denier with an Inatron tenacity over 5.5 grams per denier.
h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.
j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.
k. Low denier industrial Nylon and Polyester is now included with Textile.

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- Indirect Exports

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